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FISHERIES**

# Recreational Fisheries Economic Surveys: 2014-2016

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# Outline

2014 Durable Expenditure Survey

2016-2017 Trip Expenditure Survey

California CPFV Trip Expenditure Survey

# NOAA Fisheries Angler Expenditure Surveys

## Data collected:

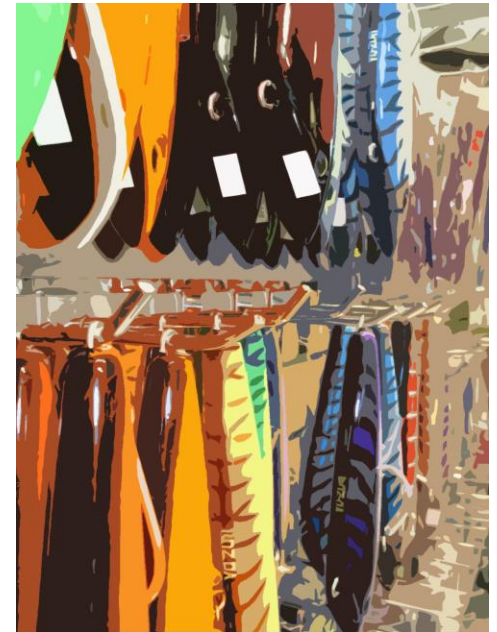
- Expenditures on fishing trips and fishing-related durable equipment
- Spending on different types of fishing (shore, private boat, for-hire)
- Spending by residents and non-residents of a state

## Methods of collection

- In-person interviews
- Mail
- Web-based survey

## Frequency

- Every 3-5 years, since 2006
- Nationwide – all coastal states



# 2014 National Marine Recreational Fishing Expenditure Survey: Durable Goods

- Survey focused on **durable** equipment expenditures only, no trip expenses
- 32 annual categories :
  - Tackle, rods and reels, other gear
  - Camping equipment, clothing, binoculars
  - Taxidermy
  - Magazine subscriptions
  - Club Dues
  - License fees
  - Boat purchases, boat accessories, and related expenses
  - Vehicle purchases and related expenses
  - Second home purchases and related expenses



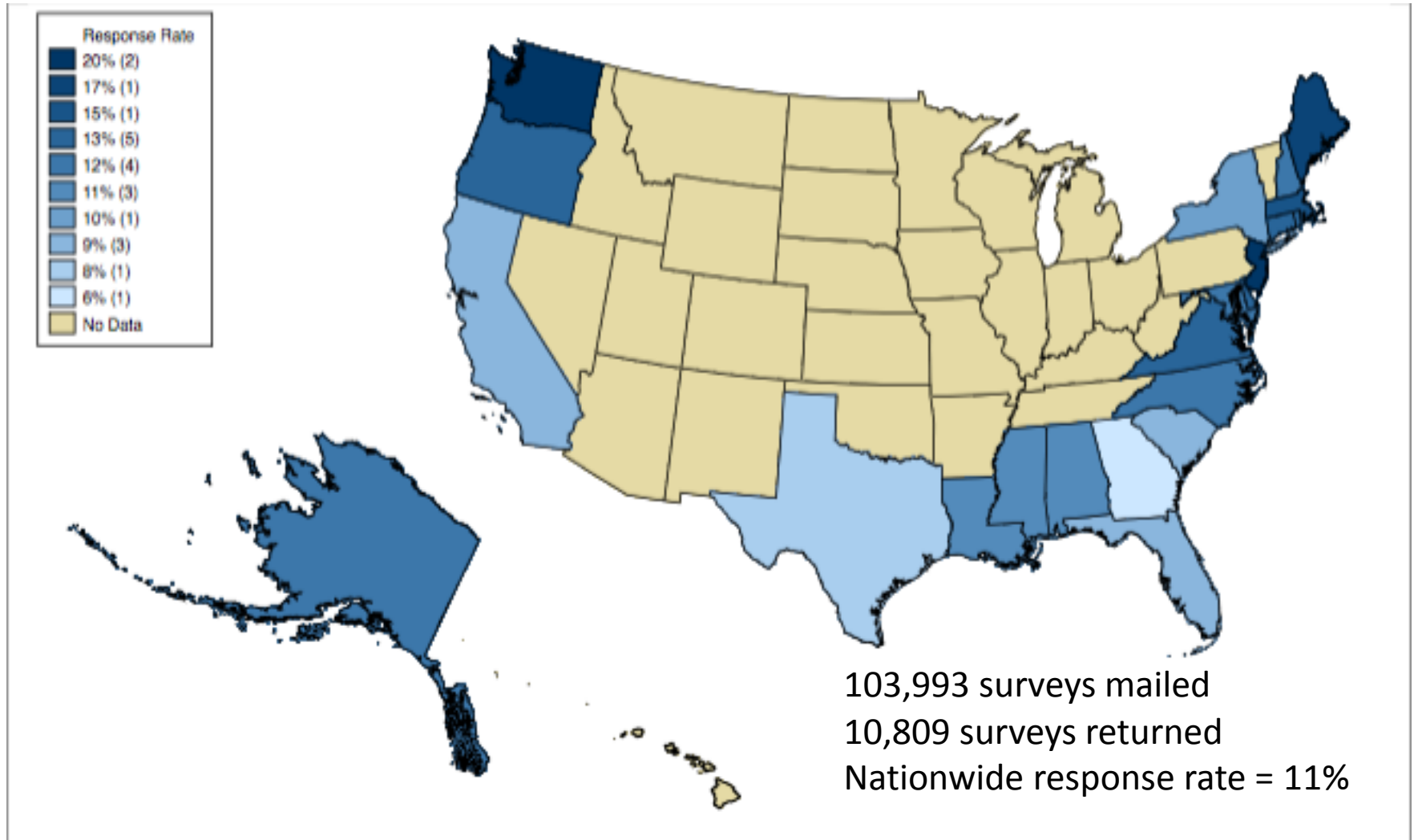


# Target Population

- Saltwater anglers who went fishing in past 12 months in all **coastal** states except Hawaii
- Licensed anglers identified using state fishing license databases
  - Used licenses that allowed for saltwater fishing during 12 months prior to survey
    - Saltwater only
    - Saltwater combo licenses (e.g., freshwater, lifetime, senior, military, hunting/fishing)



# Response Rates by State



# Additional Information Collected



San Diego, CA – CPFV boats

Number of days fished in state in past 12 months

Gender, Race, Ethnicity, and Age

Years of fishing

Household income and Education

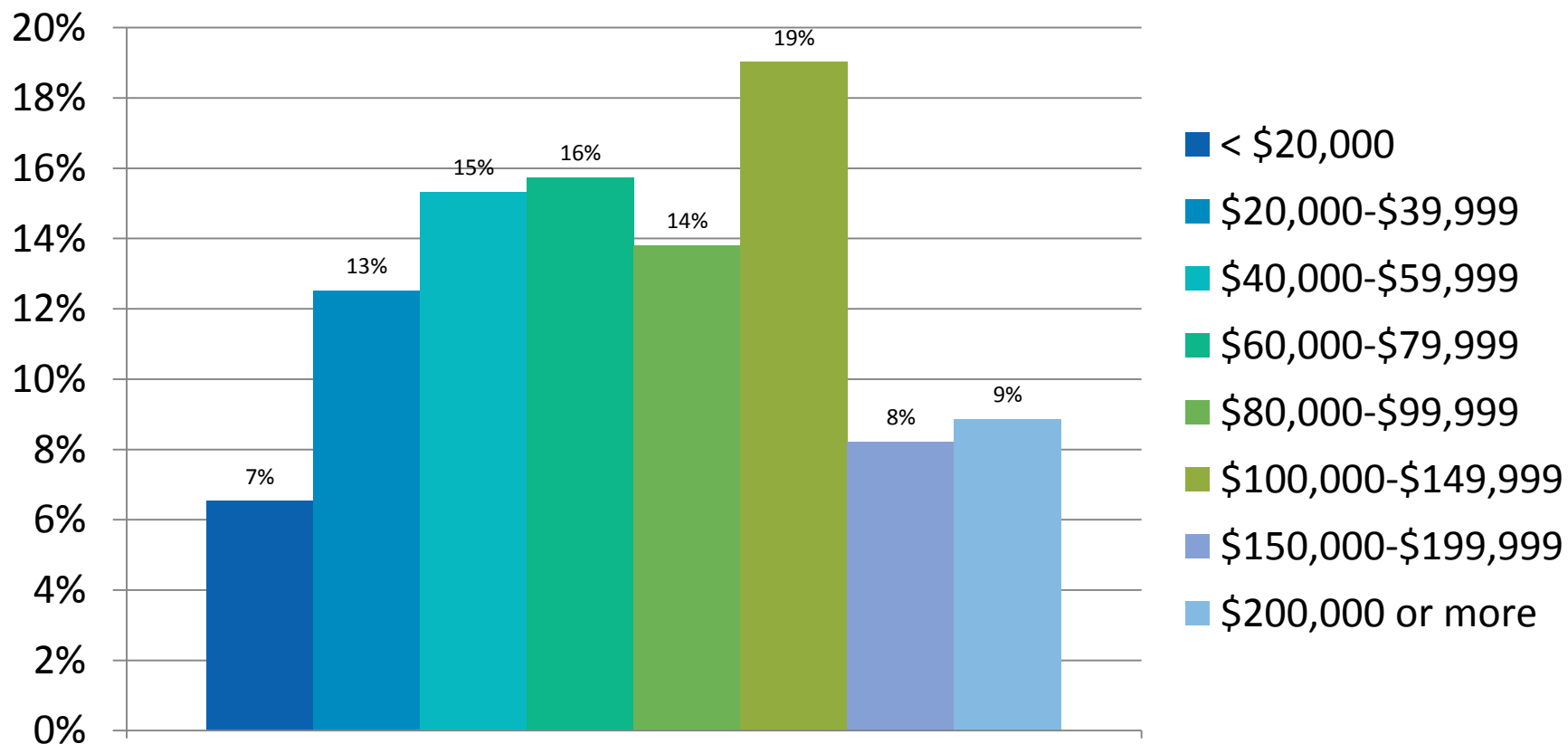
# Angler Demographics

| Variable                      | Mean  | Std Error |
|-------------------------------|-------|-----------|
| Days fished in past 12 months | 27.8  | 0.66      |
| Percent Male                  | 85.5% | NA        |
| Age                           | 53.5  | 1.31      |
| Years of saltwater fishing    | 31.5  | 0.26      |
| Hours worked per week         | 29.9  | 0.30      |

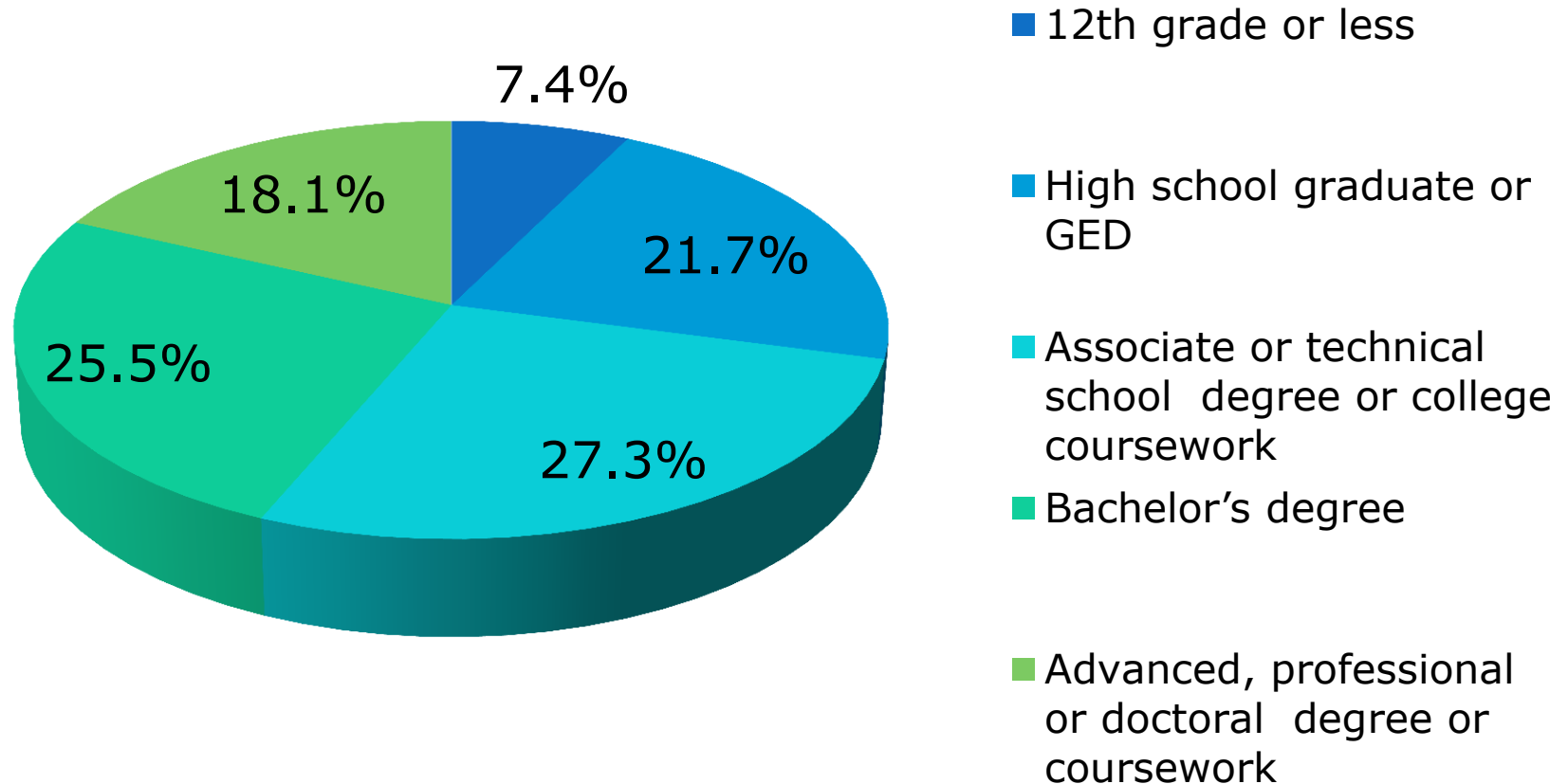


# Angler Household Income

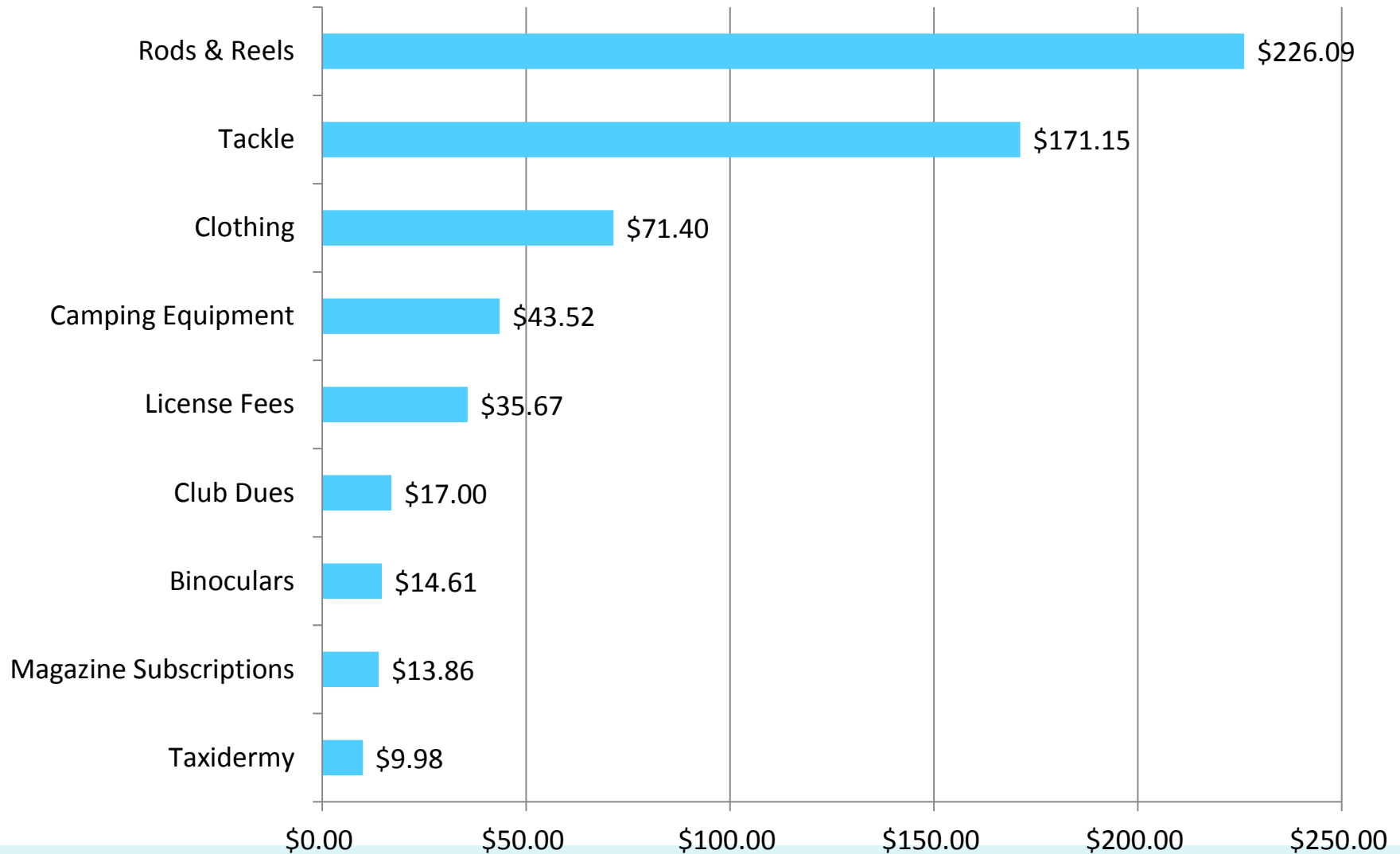
Percent of anglers in each income category



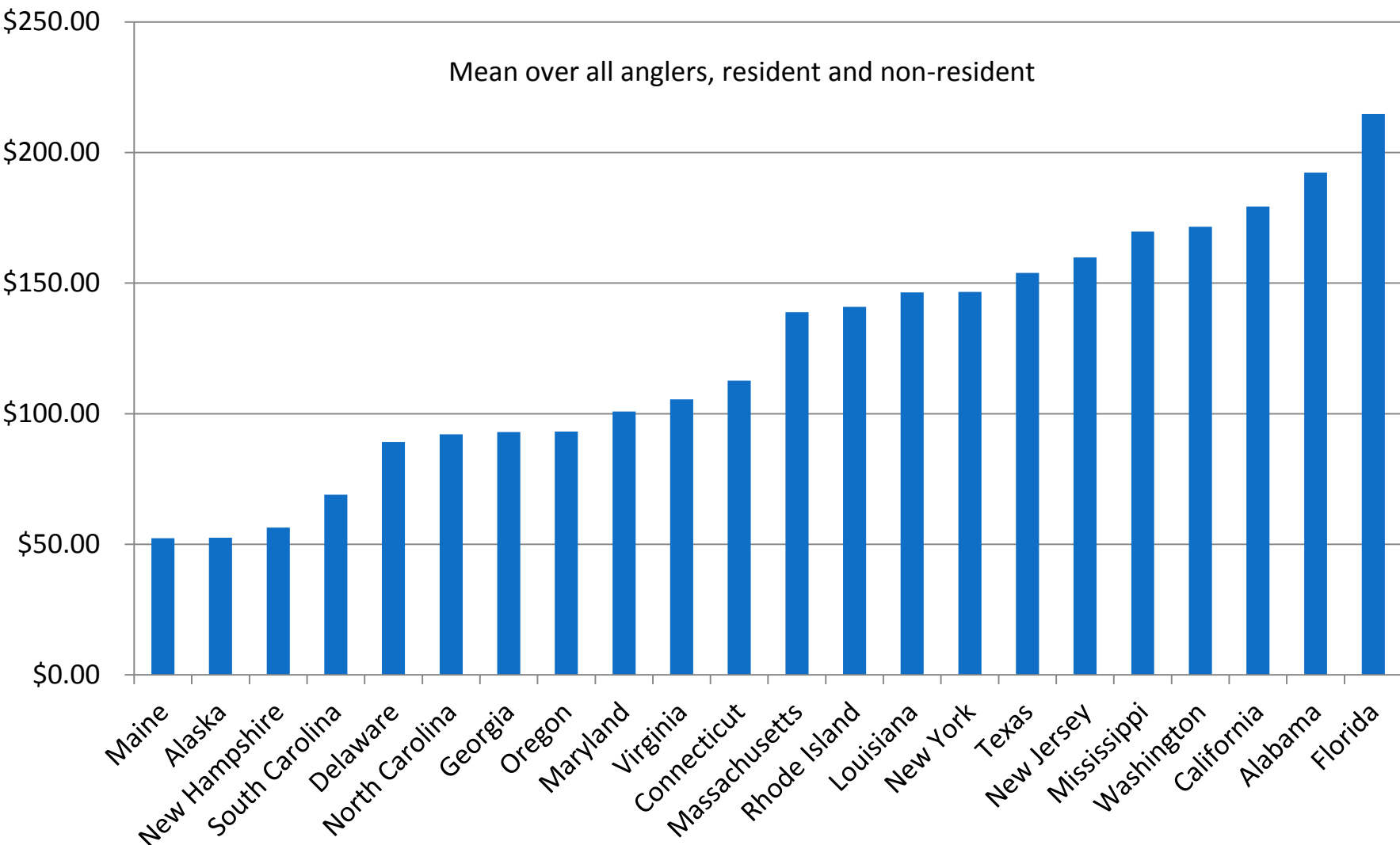
# Angler Education Levels



# Average U.S. Expenditures – Light Equipment and Fishing-Related Gear



# Average Expenditure on Tackle and Related Gear





# Economic Contribution Analysis

- Use data on number of anglers from MRIP and state estimates (CA, OR, WA, AK, TX) to estimate total expenditures.
- Estimated with IMPLAN (version 3, 2012 release) which has 432 business sectors in each county in the U.S.
- Analyze sales impacts, jobs supported, contribution to GDP, and income.
- Draft report in progress.



# 2016-2017 National Marine Recreational Fishing Expenditure Survey: Trip Expenditures

- Timing
  - Gulf states (FL to TX) -2016
  - AK – 2016 or 2017
  - West Coast and HMS – 2016 or 2017
  - Atlantic (ME to GA) - 2017
- Survey will collect trip expenditures only and some trip-related information such as target species, location, mode of trip
- Intercept survey for Atlantic states and FL to MS
- Mail survey for all other states (no intercept in other states)



# 2015 San Diego Charter/Party Fishing Expenditure Survey

- Summer/Early Fall 2015
- Goal was to get information on trip expenditures for trips to non-US waters
  - Over 240 CPFV vessel-trips included in sample
  - Over 2,000 responses to date
- Survey asked anglers their trip expenditures either in person at the dock, collected contact information for a follow-up mail survey, or handed out surveys anglers could mail back later.
- Awaiting last mail surveys to be returned
- Results forthcoming



# Questions?

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